

# General-Purpose Graphics Processing Unit (GPGPU)

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**General-Purpose Graphics Processing Unit (GPGPU)** is a graphics processing unit (GPU) that performs non-specialized calculations that would typically be conducted by the [Central Processing Unit \(CPU\)](#) (central processing unit). Ordinarily, the [Graphics Processing Unit \(GPU\)](#) is dedicated to graphics rendering.

GPGPUs are used for tasks that were formerly the domain of high-power CPUs, such as physics calculations, [encryption/decryption](#), scientific computations and the generation of cypto currencies such as [Bitcoin](#).<sup>1)</sup>

Source: <https://whatis.techtarget.com/definition/GPGPU-general-purpose-graphics-processing-unit>

<sup>1)</sup>  
Rouse, Margret; [Definition of GPGPU](#), WhatIs.com, Accessed 8 December 2020,  
<https://whatis.techtarget.com/definition/GPGPU-general-purpose-graphics-processing-unit>

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